



NEW DIRECTIONS

A R O M A T I C S

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Lime Powder Fruit Extract
Botanical Name: *Citrus aurantifolia*
Synonyms: *Limonia aurantifolia, Citrus limonia, Citrus lima*
INCI Name: Citrus aurantifolia (lime) fruit extract
Country of Origin: India

SECTION: 1.2 COMPANY IDENTIFICATION

Company: New Directions Aromatics Inc.
Address: 6781-Columbus Road, Mississauga. L5T 2G9 Canada
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24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC

SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS

Constituents: Extract, Lime powder
Vitamin C

SECTION: 3. HAZARDS IDENTIFICATION

For External Use only. Use under strict medical or professional advice. Avoid eyes and skin contact.

Medical Information: N/A

SECTION: 4. FIRST AID MEASURES

Eye Contact: Contact with eyes can produce burning sensation. Flush eyes with water immediately. Seek medical attention if irritation persists.
Inhalation: Remove to fresh air.
Ingestion: Rinse mouth with water and consult a physician immediately. Do not induce vomiting. Never-give anything by mouth if victim is unconscious, is rapidly-losing or is convulsing.
Skin Contact: Skin contact can produce irritation, or itching of the skin. Wash contaminated area with soap and plenty of water. Seek medical attention if irritation persists.

SECTION: 5. FIRE FIGHTING MEASURES

Flammable Limits: Flash Point Above 80°C
Not a significant source of fire or self-igniting chemical.
Extinguishing media: Carbon Dioxide, dry chemical or foam. Closed containers may build up pressure at elevated temperature
Special Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan.
Unusual Firefighting Hazards:
Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving oils or chemicals.
Combustion Product: Carbon Monoxide, Carbon Dioxide



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SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use of self-contained breathing apparatus is recommended
Safety Precautions:	Eliminate all ignition sources. Ventilate area. Determine the need to Evacuate or isolate the area according to your local emergency plan.
Environmental Precautions:	Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.
Methods For Cleaning Up:	Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with water and detergent.

SECTION: 7. HANDLING AND STORAGE

Handling:	Avoid inhalation and contact with skin and eyes.
Storage:	Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes Protection:	The use of safety glasses is recommended.
Respiratory Protection:	In well- ventilated areas, respiratory protection is not normally required.
Protective Gloves:	Using chemical resistant gloves is recommended.
Protective Clothing:	Using chemical resistant clothing is recommended.
Protective Equipment:	Acceptable industrial hygiene practices should be maintained.

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Creamish yellow free flowing powder.
Odor:	Characteristic odor.
Solubility:	Good solubility in water
Moisture Contents:	<5.0%
Ash Content:	< 4 %
Method of Extraction:	Spray-dried fruit.

SECTION: 10. STABILITY AND REACTIVITY

Stability:	Chemically stable. This material presents no significant reactivity hazard.
Conditions to Avoid:	Avoid sparks, flame and excessive heat.
Materials to Avoid:	Strong oxidizing agents.
Flammability:	Combustible liquid.
Hazardous Polymerization:	Will not occur.
Hazardous Combustion or	None known.
Decomposition Products:	When heated to decomposition produces carbon dioxide and monoxide smoke.

SECTION: 11. TOXICOLOGICAL INFORMATION

Inhalation:	Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.
Skin Contact:	Repeated or prolonged contact can cause redness, irritation and scaling of skin (Dermatitis). Adverse skin effects should be prevented by normal care and personal hygiene



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Eye Contact: May irritate eyes.
Ingestion: Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting.

Medical Conditions Aggravated

By Exposure:	Chronic Toxicity:	Carcinogenicity Data:	Reproductive Toxicity:	Acute Toxicity Values:
N/A	N/A	N/A	N/A	N/A

SECTION: 12. ECOLOGICAL INFORMATION

Long-term effects in the aquatic environment are not known. Avoid any pollution of ground, surface or underground water.

SECTION: 13. DISPOSAL CONSIDERATION

Incineration or sanitary landfill in accordance with local, provincial and federal regulations. Check with disposal expert to insure compliance.

SECTION: 14. TRANSPORT INFORMATION

US DOT Shipping Description: Check appropriate authority
IATA Shipping (Air): Check appropriate authority
IMDG Shipping Description: Check appropriate authority

SECTION: 15. REGULATORY INFORMATION

WHMIS (Canada): Not Available
HMIS (USA): Health Hazard –N/A Fire Hazard –N/A Reactivity –N/A

SECTION: 16. OTHER INFORMATION

Revision Date: October 6, 2011

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SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product: Lime Powder - Fruit Extract
Lot No.: 34030-A04/B04
Manufacturing Date: February 2011
Best Before: February 2013

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Creamish yellow free flowing powder.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Good solubility in water.	Complies
Moisture	<4%	Complies
Ash Contents	<4%	Complies
pH	2.5 – 3.5 (1% w/v suspension)	2.82

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